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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

PHAM, TUAN

ART UNIT PAPER NUMBER

2643

DATE MAILED: 11/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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**Office Action Summary**

Application No.

09/994,634

Applicant(s)

SCHROEDER, DARYL DEAN

Examiner

TUAN A PHAM

Art Unit

2643

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 11/28/01.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4, 7-11, 14-17, and 19-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Singkornrat et al. (U.S. Patent No.: 6,128,484, hereinafter, "Singkornrat").

**Regarding claims 1, 9 and 15**, Singkornrat teaches a method and computer system (see figure 1), comprising:

a computer wireless transceiver (see figure 1, transceiver 14, col.1, ln.46-50) performing wireless communications and capable of being connected to and relaying the wireless communications to and from a computer main unit (see figure 1, computer 12, transceiver 14, transceiver 16, col.2, ln.5-11);

a monitor wireless transceiver (see figure 1, transceiver 16, col.1, ln.46-50) performing wireless communications; and a computer display device (i.e., TV monitor) connected to the monitor wireless transceiver and transmitting communication signals to and receiving communication signals from the monitor wireless transceiver (see figure 1, TV monitor 24, transceiver 16, col.2, ln.51-67, col.3, ln.1-14); wherein the monitor wireless transceiver and the computer display device comprise a wireless computer monitor that is capable of receiving data from and transmitting data to the computer

main unit in a wireless manner through the monitor wireless transceiver and the computer wireless transceiver (see figure 1, col.2, ln.51-67, col.3, ln.1-14),

a keyboard port and a keyboard driver connected to the monitor wireless transceiver and capable of relaying data from the keyboard to the computer main unit in a wireless manner (see col.2, ln.12-19, it is inherently that the remote transceiver 16 should be included keyboard port and keyboard driver for viewing what could be seen on the screen of the monitor); and

a pointing device port and a pointing device driver connected to the monitor wireless transceiver and capable of relaying data from the one or more pointing devices to the computer main unit in a wireless manner (see col.2, ln.12-19, it is inherently that the remote transceiver 16 should be included pointing port and pointing driver for viewing what could be seen on the screen of the monitor).

**Regarding claims 2, 10 and 19,** Singkornrat further teaches a method and computer system wherein the computer wireless transceiver and the monitor wireless transceiver employ radio frequency (RF) communications (see col.2, ln.8).

**Regarding claims 3, 11 and 20,** Singkornrat further teaches a method and computer system wherein the computer wireless transceiver and the monitor wireless transceiver employ infrared (IR) communications (see col.2, ln.8).

**Regarding claims 4 and 14,** Singkornrat further teaches a computer system wherein the wireless computer monitor further comprises a display driver (i.e., RF modulator) connected between the computer display device and the monitor wireless transceiver (see figure 3, RF modulator, col.3, ln.7-13).

**Regarding claims 7 and 16,** Singkornrat further teaches a method and computer system wherein the wireless computer monitor further comprises: a keyboard port capable of connecting a keyboard to the wireless computer monitor; and a keyboard driver; wherein the keyboard port and the keyboard driver are connected to the monitor wireless transceiver and are capable of relaying data from the keyboard to the computer main unit in a wireless manner (see col.2, ln.12-19, it is inherently that the remote transceiver 16 should be included keyboard port and keyboard driver).

**Regarding claims 8 and 17,** Singkornrat further teaches a method and computer system wherein the wireless computer monitor further comprises: a pointing device port capable of connecting one or more pointing devices to the wireless computer monitor; and a pointing device driver; wherein the pointing device port and the pointing device driver are connected to the monitor wireless transceiver and are capable of relaying data from the one or more pointing devices to the computer main unit in a wireless manner (see col.2, ln.12-19, it is inherently that the remote transceiver 16 should be included pointing port and pointing driver).

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 5-6, 12-13, and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Singkornrat et al. (U.S. Patent No.: 6,128,484, hereinafter, "Singkornrat") in view of Riazi et al. (U.S. Patent No.: 6,748,005, hereinafter, "Riazi").

**Regarding claims 5, 12, and 18,** Singkornrat teaches a method and computer system (see figure 1), comprising:

a computer wireless transceiver (see figure 1, transceiver 14, col.1, ln.46-50) performing wireless communications and capable of being connected to and relaying the wireless communications to and from a computer main unit (see figure 1, computer 12, transceiver 14, transceiver 16, col.2, ln.5-11);

a monitor wireless transceiver (see figure 1, transceiver 16, col.1, ln.46-50) performing wireless communications; and a computer display device (i.e., TV monitor) connected to the monitor wireless transceiver and transmitting communication signals to and receiving communication signals from the monitor wireless transceiver (see figure 1, TV monitor 24, transceiver 16, col.2, ln.51-67, col.3, ln.1-14); wherein the monitor wireless transceiver and the computer display device comprise a wireless computer monitor that is capable of receiving data from and transmitting data to the computer main unit in a wireless manner through the monitor wireless transceiver and the computer wireless transceiver (see figure 1, col.2, ln.51-67, col.3, ln.1-14),

a keyboard port and a keyboard driver connected to the monitor wireless transceiver and capable of relaying data from the keyboard to the computer main unit in a wireless manner (see col.2, ln.12-19, it is inherently that the remote transceiver 16

should be included keyboard port and keyboard driver for viewing what could be seen on the screen of the monitor); and

a pointing device port and a pointing device driver connected to the monitor wireless transceiver and capable of relaying data from the one or more pointing devices to the computer main unit in a wireless manner (see col.2, ln.12-19, it is inherently that the remote transceiver 16 should be included pointing port and pointing driver for viewing what could be seen on the screen of the monitor).

It should be noticed that Singkornrat fails to clearly teach a method and computer system further comprises: an audio port capable of connecting one or more audio devices to the base station; and an audio driver; wherein the audio port and the audio driver are connected to the monitor wireless transceiver (i.e., base station) and are capable of relaying data between the computer main unit and the one or more audio devices in a wireless manner. However, Riazi teaches such features (see figure 1, base station 20, antenna 86, audio port 62, 64, col.3, ln.56-67, col.4, ln.25-40) for a purpose of connecting the speaker.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the use of an audio port capable of connecting one or more audio devices to the base station; and an audio driver; wherein the audio port and the audio driver are connected to the monitor wireless transceiver (i.e., base station) and are capable of relaying data between the computer main unit and the one or more audio devices in a wireless manner, as taught by Riazi, into view of Singkornrat in order to provide the audio to the user.

**Regarding claims 6 and 13**, Riazi further teaches a method and computer system wherein the audio port and the audio driver relay data to and from the one or more audio devices (see figure 1, speaker 52, MIC 54, col.4, ln.25-40).

### **Conclusion**

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. In order to expedite the prosecution of this application, the applicants are also requested to consider the following references. Although Van Ryzin (U.S. Patent No. 6,131,130), Yen (U.S. Patent No. 5,880,721), Schultheiss (U.S. Patent No. 6,195,548), and Rahn et al. (Pub. No.: US 2002/0103008) are not applied into this Office Action; they are also called to Applicants attention. They may be used in future Office Action(s). These references are also concerned for supporting the system and method for convergence of a personal computer with wireless audio/video devices wherein the audio/video devices are remotely controlled by a wireless peripheral.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tuan A. Pham** whose telephone number is (703) 305-4987. The examiner can normally be reached on Monday through Friday, 8:00 AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Curtis Kuntz can be reached on (703) 305-4708 and

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Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington VA, Sixth Floor (Receptionist, tel. No. 703-305-4700).

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Art Unit 2643  
November 6, 2004  
Examiner

Tuan Pham

  
CURTIS KUNTZ  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER